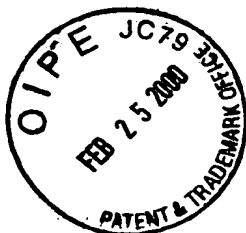


DOCKET NO. CHIR-0157



PATENT

#4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Antonello Covacci, Massimo Bugnoli, John
Telford, Rino Rappuoli and Giovanni Macchia

Group Art Unit: Unassigned

Examiner: Unassigned

For: Helicobacter Pylori CAI Antigen Proteins
Useful for Vaccines and Diagnostics

SUPPLEMENTAL DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a

☒ Utility Patent ☐ Design Patent

is sought on the invention, whose title appears above, the specification of which:

- ☐ is attached hereto.
- ☒ was filed on July 26, 1999 as Serial No. 09/360,685 .
- ☒ said application having been amended by Preliminary Amendment .

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any **foreign**

application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

Priority Claimed (If X'd)	Country	Serial Number	Date Filed
<input checked="" type="checkbox"/>	<u>Italy</u>	<u>FI92A 000052</u>	<u>March 2, 1992</u>
<input checked="" type="checkbox"/>	<u>PCT</u>	<u>EP93/00472</u>	<u>March 2, 1993</u>
<input checked="" type="checkbox"/>	<u>PCT</u>	<u>EP93/00158</u>	<u>January 25, 1993</u>
<input type="checkbox"/>	<u> </u>	<u> </u>	<u> </u>

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Serial Number	Date Filed	Patented/Pending/Abandoned
<u>08/471,491</u>	<u>June 6, 1995</u>	<u> </u>
<u>08/256,848</u>	<u>October 21, 1994</u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Serial Number	Date Filed
---------------	------------

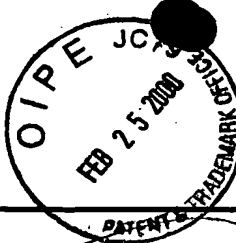
I hereby appoint the following persons as attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

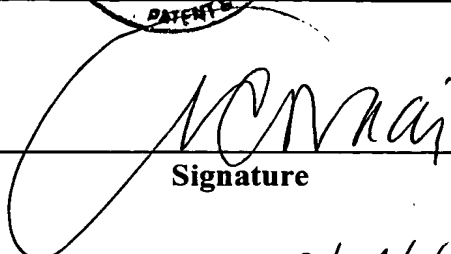
<u>Robert P. Blackburn</u>	Reg. No. <u>30.447</u>
<u>Kenneth M. Goldman</u>	Reg. No. <u>34,174</u>
<u>Alisa A. Harbin</u>	Reg. No. <u>33,895</u>
<u>Francis A. Paintin</u>	Reg. No. <u>19,386</u>
<u>Doreen Y. Trujillo</u>	Reg. No. <u>35,719</u>


Address all correspondence to:


Alisa A. Harbin, Esq.
CHIRON CORPORATION
Intellectual Property
P.O. Box 8097
Emeryville, CA 94662-8097
Telephone No.: (510) 923-2700
Facsimile No.: (510) 655-3542

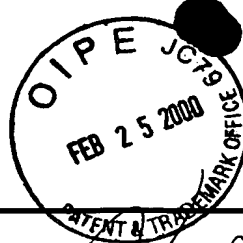
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

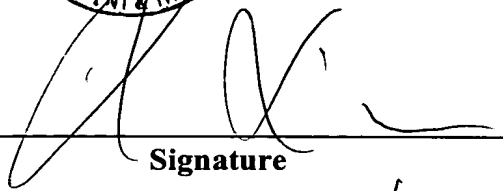


Name: Antonello Covacci	<div> Signature</div> <div>Date of Signature: <u>10/01/1999</u></div> <div>Citizenship: <u>Italy</u></div>
Mailing Address: Vc. Provenzano, 8 53100, Siena, Italy	
City/State of Actual Residence: Siena, Italy	

Name: Massimo Bugnoli	<div> Signature</div> <div> Date of Signature: <u>30/09/99</u></div> <div>Citizenship: <u>Italy</u></div>
Mailing Address: V. del Pozzo, 38 53035, Monteriggioni, Italy	
City/State of Actual Residence: Monteriggioni, Italy	

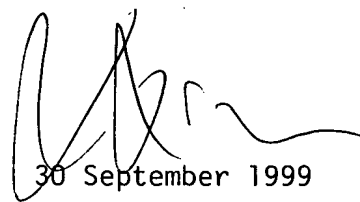
Name: John Telford	<div> Signature</div> <div>Date of Signature: <u>30 Sept 1999</u></div> <div>Citizenship: <u>Italy</u></div>
Mailing Address: Via Sambuco, 43 53010, Monteriggioni, Italy	
City/State of Actual Residence: Monteriggioni, Italy	



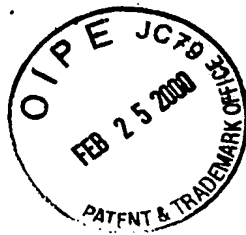
Name: Rino Rappuoli	 Signature Date of Signature: 30/09/1999 Citizenship: Italy
Mailing Address: Via Calamandrei 53010 Quercegrossa (SI), Italy	
City/State of Actual Residence: Sienna, Italy	

Name: Giovanni Macchia	 Signature Date of Signature: _____ Citizenship: Italy
Mailing Address: Parkweg 31, 2271 AD Voorburg (NL)	
City/State of Actual Residence: Voorburg, NL	

Via delle Rocche, 1
53019 Castelnuovo Berardenga (SI)
ITALY


30 September 1999

DOCKET NO. CHIR-0157



#4
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Antonello Covacci, Massimo Bugnoli, John
Telford, Rino Rappuoli and Giovanni Macchia

Group Art Unit: Unassigned

Examiner: Unassigned

For: Helicobacter Pylori CAI Antigen Proteins
Useful for Vaccines and Diagnostics

SUPPLEMENTAL DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a

☒ Utility Patent ☐ Design Patent

is sought on the invention, whose title appears above, the specification of which:

- ☐ is attached hereto.
- ☒ was filed on July 26, 1999 as Serial No. 09/360,685.
- ☒ said application having been amended by Preliminary Amendment.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any **foreign**

application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

Priority Claimed (If X'd)	Country	Serial Number	Date Filed
<input checked="" type="checkbox"/>	<u>Italy</u>	<u>FI92A 000052</u>	<u>March 2, 1992</u>
<input checked="" type="checkbox"/>	<u>PCT</u>	<u>EP93/00472</u>	<u>March 2, 1993</u>
<input checked="" type="checkbox"/>	<u>PCT</u>	<u>EP93/00158</u>	<u>January 25, 1993</u>
<input type="checkbox"/>	<u> </u>	<u> </u>	<u> </u>

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Serial Number	Date Filed	Patented/Pending/Abandoned
<u>08/471,491</u>	<u>June 6, 1995</u>	<u> </u>
<u>08/256,848</u>	<u>October 21, 1994</u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Serial Number

Date Filed

I hereby appoint the following persons as attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

<u>Robert P. Blackburn</u>	Reg. No. <u>30,447</u>
<u>Kenneth M. Goldman</u>	Reg. No. <u>34,174</u>
<u>Alisa A. Harbin</u>	Reg. No. <u>33,895</u>
<u>Francis A. Paintin</u>	Reg. No. <u>19,386</u>
<u>Doreen Y. Trujillo</u>	Reg. No. <u>35,719</u>

Address all correspondence to:

Alisa A. Harbin, Esq.
CHIRON CORPORATION
Intellectual Property
P.O. Box 8097
Emeryville, CA 94662-8097
Telephone No.: (510) 923-2700
Facsimile No.: (510) 655-3542

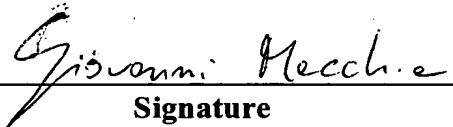
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name: Antonello Covacci	
Mailing Address: Vc. Provenzano, 8 53100, Siena, Italy	Signature Date of Signature: _____
City/State of Actual Residence: Siena, Italy	Citizenship: <u>Italy</u>

Name: Massimo Bugnoli	
Mailing Address: V. del Pozzo, 38 53035, Monteriggioni, Italy	Signature Date of Signature: _____
City/State of Actual Residence: Monteriggioni, Italy	Citizenship: <u>Italy</u>

Name: John Telford	
Mailing Address: Via Sambuco, 43 53010, Monteriggioni, Italy	Signature Date of Signature: _____
City/State of Actual Residence: Monteriggioni, Italy	Citizenship: <u>Italy</u>

Name: Rino Rappuoli	
Mailing Address: Via Calamandrei 53010 Quercegrossa (SI), Italy	Signature
City/State of Actual Residence: Sienna, Italy	Date of Signature: _____
	Citizenship: <u>Italy</u>

Name: Giovanni Macchia	
Mailing Address: Parkweg 31, 2271 AD Voorburg (NL)	 Signature
City/State of Actual Residence: Voorburg, NL	Date of Signature: <u>30/9/1993</u>
	Citizenship: <u>Italy</u>